

The situation: Steve and Robbie leave their home traveling in opposite directions on a straight road. Steve is going 15 mph faster than Robbie. After 3 hours, they are 225 miles apart. Find Steve and Robbie’s Rate.

a. What type of DRT Problem is this?

b. Write the GENERAL equation for this type of problem.

c. Define a variable.

d. Fill in the DRT Table below.

	rate	time	Distance

e. Using the GENERAL equation from part b and your table, WRITE AND SOLVE an equation for the situation.

f. Solve the equation.

ANSWER THE QUESTION:

The situation: Ranvir and Naveen are 750 miles apart. Ranvir leaves at 3 pm, traveling at a rate of 60 mph toward Naveen. Naveen leaves at 4 pm the same day, traveling at a rate of 55 mph toward Ranvir. AT WHAT TIME will the two meet up?

a. What type of DRT Problem is this?

b. Write the GENERAL equation for this type of problem.

c. Define a variable.

d. Fill in the DRT Table below.

	rate	time	Distance

e. Using the GENERAL equation from part b and your table, WRITE AND SOLVE an equation for the situation.

f. Solve the equation.

ANSWER THE QUESTION: